

## ABSTRACT

A fire-control riser system that provides a multi-function unitary valve system including providing pressure test, pressure relief, and drain/test fluid flow capability for fire-control sprinkler systems. Furthermore, the fire-control riser system comprises an enclosure that provides for easier installation, pre-assembled components and protects such riser systems from damage during the construction process. Additionally, the fire-control riser system may be substantially comprised of plastic material. The system utilizes an improved flow switch coupling-attachment system that includes no-thread attachment or threaded attachment. The system also provides for multi-function components as well as reduced ports for component installation thereby reducing potential leak areas.